

REMARKS

Claims 1 and 3-33 remain pending in the application.

The Applicants respectfully request the Examiner to reconsider earlier rejections in light of the following remarks. No new issues are raised nor is further search required as a result of the changes made herein. Entry of the Amendment is respectfully requested.

Interview with the Examiner

The Applicants thank the Examiner for initiating and conducting an Interview for the subject application. During the interview the Applicants discussed the definition of the recited "provisioning" versus simply testing copper lines to support high frequencies associated with DSL service (as disclosed by the cited prior art). The Examiner came to understand that "provisioning" goes beyond simply testing copper lines to support high frequencies associated with DSL service. However, to clarify "provisioning" within the claims over the cited prior art the claims are amended herein to recite provisioning comprises "a network service provider provisioning a connection from a subscriber's location to a central office and to a service provider's complementary DSL device".

Because of time constraints and the Examiner's request to review the amendments made here to the claims, the Examiner issued the Office Action dated March 8, 2006. However, during the Interview the Examiner acknowledged that the recited "provisioning" was not disclosed or suggested by the cited prior art.

Finality of the Office Action

The Examiner has indicated the Office Action as being Final. However, the Examiner acknowledged during the interview that "provisioning" goes beyond simply testing copper lines to support high frequencies associated with DSL service. The Applicants respectfully request the Finality of the Office Action be withdrawn.

Claims 1 and 3-33 over Lechleider in view of Bellenger and Vogt

In the Office Action, claims 1, 3-7, 12-21 and 26-29 were rejected under 35 U.S.C. §103(a) as allegedly being obvious over Lechleider, U.S. Patent No. 6,091,713 ("Lechleider") in view of Bellenger et al., U.S. Patent No. 6,058,110 ("Bellenger"); and claims 8-11, 22-25 and 30-33 were rejected under 35 USC 103(a) as allegedly being obvious over Lechleider in view of Bellenger, and further in view of U.S. Pat. No. 5,625,667 to Vogt, III et al. ("Vogt"). The Applicants respectfully traverse the rejections.

Claims 1 and 3-33 recite an analog/DSL modem for efficient provisioning of DSL service.

Claims 1 and 3-15 recite receiving a subscriber login request while a DSL portion of a combination analog/DSL modem is NOT provisioned for DSL service, and provisioning DSL service on said service line if suitability is determined to support DSL service, wherein the DSL service is automatically qualified for service. Claims 16-26 recite program code for logging into a network site via an analog modem portion of a combination analog/DSL modem while a DSL portion is NOT provisioned for DSL service, and program code for receiving provisioned DSL services when the service line is tested to be suitable to support DSL services, the combination analog/DSL modem being automatically switched to use of a DSL portion after provisioning. Claims 27-33 recite a parameter reference module adaptively connected to said combination analog/DSL modem adapted to instruct a service provider to attempt PROVISION of DSL service on the service line if suitability is determined to support DSL service.

The Examiner alleges that Lechleider discloses provisioning DSL service on a service line if suitability is determined to support DSL service at col. 7, lines 40-47 (See Office Action, pages 2 and 3).

Lechleider at col. 7, lines 40-47 discloses "Furthermore, processor 119 may also be used to create a list of subscriber loops meeting ADSL band deployment criteria. The list would then be available to a service provider and may be tailored to particular geographic areas, i.e., all the user in a particular

town. As will be recognized by those in the art, the use of web servers and storage medias provides the capability to perform potential ADSL customer searches based on many different demographics."

Lechleider builds a list of subscriber loops meeting ADSL band deployment criteria. However, the ADSL band deployment criteria disclosed by Lechleider must be read within context of Lechleider's entire disclosure, i.e., predicting the performance of broadband transmission channels by using voiceband negotiation information collected by analog modems (See Abstract). Lechleider fails to even mention provisioning of DSL service, much less disclose or suggest use of a combination analog/DSL modem to facilitate provisioning of DSL service, as recited by claims 1 and 3-33.

As disclosed by Applicants' disclosure, DSL deployment requires four steps: (1) prequalification; (2) provisioning; (3) turning on the service; and (4) post installation issues. If a subscriber location passes prequalification, a network service provider then provisions a connection from the subscriber's location to the central office and finally to the service provider's complementary DSL device via a main distribution frame. This process is known as provisioning and requires coordination between the network service provider and the local exchange carrier ("LEC"). The Examiner appears to be equating testing of telephone lines for predicting the performance of broadband transmission channels. However, provisioning of DSL service is a term of art within the DSL arts that Lechleider fails to even mention, much less disclose or suggest use of a combination analog/DSL modem to facilitate provisioning of DSL service, as recited by claims 1 and 3-33.

The Examiner acknowledges that Lechleider fails to disclose use of an analog/DSL modem wherein the combination analog/DSL modem supports analog service to a subscriber and DSL service to the subscriber (See Office Action, page 3). The Office Action relies on Bellenger and Vogt to allegedly make up for the deficiencies in Lechleider to arrive at the recited features.

Bellenger, col. 2, lines 56-60, is cited by the Examiner as allegedly teaching the use of a modem that operates throughout the voice band and in an

extended DSL band above the voice band (See Office Action at 3). Bellenger fails to mention provisioning of DSL service.

Vogt is cited by the Examiner for allegedly teaching that the tip and the ring voltage can be measured to calculate the capacitance and resistance of the telephone line (See Office Action at 10). Vogt fails to mention provisioning of DSL service.

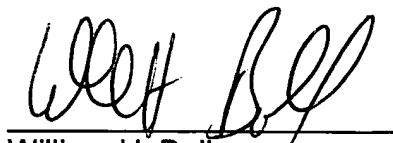
Neither Lechleider, Bellenger nor Vogt discloses, teaches or suggests PROVISIONING to a subscriber using a combination analog/DSL modem, much less attempted automatic PROVISIONING based on results of their specific suitability, as recited by claims 1 and 3-33.

Accordingly, for at least all the above reasons, claims 1 and 3-33 are patentable over the prior art of record. It is therefore respectfully requested that the rejections be withdrawn.

Conclusion

All objections and rejections having been addressed, it is respectfully submitted that the subject application is in condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully submitted,



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